

$\Lambda_b(6070)^0$ $J^P = ?^?$

NODE=B197

 $\Lambda_b(6070)^0$ MASS

NODE=B197M

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
6072.3±2.9±0.2	¹ AAIJ	20Q LHCB	$p\bar{p}$ at 7, 8, 13 TeV
¹ AAIJ 20Q measures $m(\Lambda_b(6070)^0) - m(\Lambda_b^0) = 452.7 \pm 2.9 \pm 0.5$ MeV. We have adjusted the measurement to our best value of $m(\Lambda_b^0) = 5619.60 \pm 0.17$ MeV. Our first error is their experiment's error and our second error is the systematic error from using our best values.			

NODE=B197M

NODE=B197M;LINKAGE=A

 $\Lambda_b(6070)^0$ WIDTH

NODE=B197W

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
72±11±2	AAIJ	20Q LHCB	$p\bar{p}$ at 7, 8, 13 TeV

NODE=B197W

 $\Lambda_b(6070)^0$ DECAY MODES

NODE=B197215;NODE=B197

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \Lambda_b^0 \pi^+ \pi^-$	seen

DESIG=1

 $\Lambda_b(6070)^0$ BRANCHING RATIOS

NODE=B197220

$\Gamma(\Lambda_b^0 \pi^+ \pi^-)/\Gamma_{\text{total}}$	Γ_1/Γ		
VALUE	DOCUMENT ID	TECN	COMMENT
seen	AAIJ	20Q LHCB	$p\bar{p}$ at 7, 8, 13 TeV

NODE=B197R01
NODE=B197R01 $\Lambda_b(6070)^0$ REFERENCES

NODE=B197

AAIJ	20Q	JHEP 2006 136	R. Aaij <i>et al.</i>	(LHCb Collab.)
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REFID=60505